

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/004313

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04N7/26 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G06F H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 022 667 A (MITSUBISHI DENKI KABUSHIKI KAISHA) 26 July 2000 (2000-07-26) abstract; claims 1,2; figure 1 paragraphs '0009! - '0055! -----	1-5
Y	TAEHWAN SHIN ET AL: "Hierarchical scene change detection in an MPEG-2 compressed video sequence" CIRCUITS AND SYSTEMS, 1998. ISCAS '98. PROCEEDINGS OF THE 1998 IEEE INTERNATIONAL SYMPOSIUM ON MONTEREY, CA, USA 31 MAY-3 JUNE 1998, NEW YORK, NY, USA, IEEE, US, vol. 4, 31 May 1998 (1998-05-31), pages 253-256, XP010289437 ISBN: 0-7803-4455-3 abstract paragraphs '0001!, '03.1!, '03.2!, '03.5! ----- -/-	1-5

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

4 April 2005

Date of mailing of the international search report

12/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Cakiroglu, S

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/004313

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 574 279 B1 (VETRO ANTHONY ET AL) 3 June 2003 (2003-06-03) abstract paragraphs '0025! - '0030!, '0167! - '0187! -----	1-5
A	LIU T-Y ET AL: "Inertia-based video cut detection and its integration with video coder" IEE PROCEEDINGS: VISION, IMAGE AND SIGNAL PROCESSING, INSTITUTION OF ELECTRICAL ENGINEERS, GB, vol. 150, no. 3, 20 June 2003 (2003-06-20), pages 186-192, XP006020448 ISSN: 1350-245X the whole document -----	1-5
A	HENG W J ET AL: "The implementation of object-based shot boundary detection using edge tracing and tracking" CIRCUITS AND SYSTEMS, 1999. ISCAS '99. PROCEEDINGS OF THE 1999 IEEE INTERNATIONAL SYMPOSIUM ON ORLANDO, FL, USA 30 MAY-2 JUNE 1999, PISCATAWAY, NJ, USA, IEEE, US, vol. 4, 30 May 1999 (1999-05-30), pages 439-442, XP010341255 ISBN: 0-7803-5471-0 the whole document -----	1-5
A	US 2003/007555 A1 (DIVAKARAN AJAY ET AL) 9 January 2003 (2003-01-09) abstract paragraphs '0009! - '0029!, '0036! - '0041! -----	1-5
A	US 2003/026340 A1 (DIVAKARAN AJAY ET AL) 6 February 2003 (2003-02-06) abstract paragraphs '0022! - '0035! -----	1-5
A	S. PEI, Y. CHOU: "Efficient MPEG Compressed Video Analysis Using Macroblock Type Information" IEEE TRANSACTIONS ON MULTIMEDIA, vol. 1, no. 4, December 1999 (1999-12), XP002323115 the whole document -----	1-5
		-/-

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/004313

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>Y. HAORAN, D. RAJAN, C. TIEN: "A Unified Approach to Detection of Shot Boundaries and Subshots in Compressed Video" IEEE IMAGE PROCESSING PROCEEDINGS, vol. 2, 14 September 2003 (2003-09-14), XP002323116 the whole document</p> <p>-----</p>	1-5
A	<p>GOMILA C ET AL: "New features and applications of the H.264 video coding standard" INFORMATION TECHNOLOGY: RESEARCH AND EDUCATION, 2003. PROCEEDINGS. ITRE2003. INTERNATIONAL CONFERENCE ON AUG. 11-13, 2003, PISCATAWAY, NJ, USA, IEEE, 11 August 2003 (2003-08-11), pages 6-10, XP010684962 ISBN: 0-7803-7724-9 the whole document</p> <p>-----</p>	1-5
A	<p>KOTO S-I ET AL: "Adaptive Bi-predictive video coding using temporal extrapolation" PROCEEDINGS 2003 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP-2003. BARCELONA, SPAIN, SEPT. 14 - 17, 2003, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY : IEEE, US, vol. VOL. 2 OF 3, 14 September 2003 (2003-09-14), pages 829-832, XP010669962 ISBN: 0-7803-7750-8 the whole document</p> <p>-----</p>	1-5

Information on patent family members

International Application No
PCT/IB2004/004313

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
EP 1022667	A 26-07-2000	US 6618507 B1			09-09-2003
		EP 1022667 A2			26-07-2000
		JP 2000224590 A			11-08-2000
		US 6778708 B1			17-08-2004
US 6574279	B1 03-06-2003	US 6493386 B1			10-12-2002
		US 6542546 B1			01-04-2003
		CN 1366775 A			28-08-2002
		EP 1195992 A1			10-04-2002
		WO 0178398 A1			18-10-2001
		AU 3054701 A			20-08-2001
		EP 1170954 A1			09-01-2002
		WO 0160075 A1			16-08-2001
		US 6490320 B1			03-12-2002
		AU 3054901 A			14-08-2001
		EP 1168731 A1			02-01-2002
		WO 0158096 A1			09-08-2001
US 2003007555	A1 09-01-2003	CN 1465191 A			31-12-2003
		EP 1382207 A1			21-01-2004
		WO 02089490 A1			07-11-2002
		JP 2004520760 T			08-07-2004
US 2003026340	A1 06-02-2003	NONE			